# TEXMATE

**LEOPARD FAMILY**

c(UL)us LISTED E469078  CE

Large display option
0.8" red or green LED

# DL-40RPM
## Leopard RPM Meter
## 4 Digit 0.56" or 0.8" LEDs
## in a 1/8 DIN CASE

**An economically smart meter relay for RPM measurement.**

## General Features

- This meter has been designed specifically for RPM measurements. Just enter the pulses per revolution and the DL-40RPM meter will calculate and display the RPM reading.

- Three ranges with resolutions of 0.1 RPM, 1 RPM and 10 RPM (99.99 X 1000 RPM max.).

- Optional isolated 16 bit analog output. User or factory scalable to 4 to 20 mA, 0 to 20 mA or 0 to 10 V across any desired digital span from one count to the full scale range of 9999.

- 24 V DC excitation is available to power external sensors.

- Auto-sensing AC/DC power supply. For voltages between **85-265 V AC / 95-300 V DC (PS1)** or 15-48 V AC / 10-72 V DC (PS2).

- Standard red or optional green or super bright red 4-digit LED

- Red or green 0.8" LED large display option.

- Four annunciator LEDs provide front panel alarm status indication for up to four setpoints.

- Optional relays. Two 9 Amp Form C and two 4 Amp Form A relay, or optionally four 4 Amp Form A relays are available.

- UL Listed

## Software Features

- Three-button programming from the front panel (UP, DOWN and PROGRAM buttons).

- Three front panel selectable ranges.

- Front panel selectable four-level brightness control of digital display, and setpoint LEDs.

- Four programmable setpoints.

- Relay activation can be selected to occur above (HI) or below (LO) each setpoint.

- Hysteresis setting for all four setpoints.  Delay on make and delay on break for SP1 and SP2.

- Peak and Valley.  View and Reset.

## Input Module Compatibility

There is 1 Plug-in Modular Input Signal Conditioner, IF05, for this specialized RPM only member of the Leopard Family.

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## Specifications

**Input Specs**: .............. Depends on Input Signal Conditioner
**A/D Converter**: .......... 14 Bit Single Slope
**Accuracy**: .................. ±1 count
**Temp. Coeff.**: ............ 100 ppm/°C (Typical)
**Warm up time**: .......... 2 minutes
**Conversion Rate**: ...... 5 conversions per second (Typical)
**Display**: ...................... **4 digit 0.56" Red LED display (std)**, 0.56" or 0.8" Red, Green or Super Bright Red (optn). Range to 9999 counts.
**Polarity**: .................... Assumed positive.
**Decimal Selection**: .... Automatic by selection of resolution
**Positive Overrange**: .. Top segments of digital display flash
**Relay Output**: ............ Two 4 Amp Form A relays and two 9 Amp Form C, or 4 Amp form A relays.
**Analog Output**: ........ Isolated 16 bit user scalable mA or V
  AIC (mA out) .......... 4-20 mA @ 0 to 500Ω max loop resistance
  AIV (volts out) .......... 0-10 V DC @ 500 Ω or higher resistance
**Power Supply**: .......... AC/DC Auto sensing wide range supply
  **PS1 (std)** ................ **85-265 VAC 50-400Hz / 95-300 VDC @ 3.5W**
  PS2 ........................ 15-48 VAC 50-400Hz / 10-72 VDC @ 3.5W
**Operating Temp.**: ...... 0 to 50 °C
**Storage Temp**: .......... –20 °C to 70 °C.
**Relative Humidity**: .... 95% (non condensing)
**Case Dimensions**: .... 11/8 DIN, Bezel: 96x48 mm (3.78"x1.89")
  Depth behind bezel: 117 mm (4.61") Plus 11.8 mm (0.47") for Right-angled connectors, or plus 20 mm (0.79") for Straight-thru connector.
**Weight**: ...................... 6.5 oz., 8.5 oz when packed